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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Frank Y. Xu et al.
App. No.: 10/763,885 GPAU: 1752
Filing Date: 01/23/2004 Examiner: Amanda C. Walke
Dkt. No.: P113-55-03 Conf. No.: 6002
For: MATERIALS AND METHODS FOR IMPRINT LITHOGRAPHY

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- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449
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to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:
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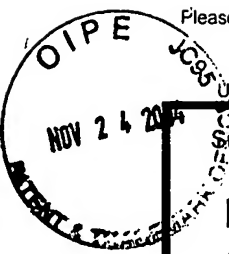
Signed: *Katrina Prati*
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Respectfully Submitted,



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Sheet

1

of

17

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Application Number	10/763,885
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First Named Inventor	Xu et al.
Group Art Unit	1752
Examiner Name	Amanda C. Walke
Attorney Docket Number	P113-55-03

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	B1	3,527,062		Bilinski et al.	09-08-1970	
	B2	3,783,520		King	01-08-1974	
	B3	3,807,027		Heisler	04-30-1974	
	B4	3,807,029		Troeger	04-30-1974	
	B5	3,811,665		Seelig	05-21-1974	
	B6	4,062,600		Wyse	12-13-1977	
	B7	4,070,116		Frosch et al.	01-24-1978	
	B8	4,098,001		Watson	07-04-1978	
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	B11	4,155,169		Drake et al.	05-22-1979	
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	B14	4,267,212		Sakawaki	05-12-1981	
	B15	4,326,805		Feldman et al.	04-27-1982	
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	B21	4,451,507		Beltz et al.	05-29-1994	
	B22	4,507,331		Hiraoka	03-02-1985	
	B23	4,544,572		Sandvig et al.	10-01-1985	
	B24	4,552,832		Blume et al.	11-12-1985	
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	B33	4,763,886		Takei	08-16-1988	
	B34	4,808,511		Holmes	02-28-1989	
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			Group Art Unit	1752	
			Examiner Name	Amanda C. Walke	
Sheet	2	of	17	Attorney Docket Number	P113-55-03

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	B35	4,826,943		Ito et al.	05-02-1989	
	B36	4,846,931		Gmitter et al.	07-11-1989	
	B37	4,848,911		Uchida et al.	07-18-1989	
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	B43	4,921,778		Thackeray et al.	05-01-1990	
	B44	4,929,083		Brunner	05-29-1990	
	B45	4,931,351		McColgin et al.	06-05-1990	
	B46	4,959,252		Bonnebat et al.	09-25-1990	
	B47	4,964,945		Calhoun	10-23-1990	
	B48	4,976,818		Hashimoto et al.	12-11-1990	
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	B51	5,053,318		Gulla et al.	10-01-1991	
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			Examiner Name	Amanda C. Walke	
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	B69	5,212,147		Sheats	05-18-1993	
	B70	5,234,793		Sebald et al.	08-10-1993	
	B71	5,240,550		Boehnke et al.	08-31-1993	
	B72	5,240,878		Fizsimmons et al.	08-31-1993	
	B73	5,242,711		DeNatale et al.	09-07-1993	
	B74	5,244,818		Jokerst et al.	09-14-1993	
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	B94	5,425,964		Southwell et al.	06-20-1995	
	B95	5,431,777		Austin et al.	07-11-1995	
	B96	5,439,766		Day et al.	08-08-1995	
	B97	5,452,090		Progler et al.	09-19-1995	
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	B99	5,458,520		DeMercurio et al.	10-17-1995	
	B100	5,468,542		Crouch	11-21-1995	
	B101	5,480,047		Tanigawa et al.	01-02-1996	
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		Number	Kind Code ² (if known)			
	B102	5,515,167		Ledger et al.	05-07-1996	
	B103	5,523,878		Wallace et al.	06-04-1996	
	B104	5,527,662		Hashimoto et al.	06-18-1996	
	B105	5,545,367		Bae et al.	08-13-1996	
	B106	5,566,584		Briganti	10-22-1996	
	B107	5,633,505		Chung et al.	05-27-1997	
	B108	5,654,238		Cronin et al.	08-05-1997	
	B109	5,670,415		Rust	09-23-1997	
	B110	5,700,626		Lee et al.	12-23-1997	
	B111	5,723,176		Keyworth et al.	03-03-1998	
	B112	5,724,145		Kondo et al.	03-03-1998	
	B113	5,725,788		Maracas et al.	03-10-1998	
	B114	5,736,424		Prybyla et al.	04-07-1998	
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	B116	5,747,102		Smith et al.	05-05-1998	
	B117	5,753,014		Van Rijn	05-19-1998	
	B118	5,760,500		Kondo et al.	06-02-1998	
	B119	5,776,748		Singhvi et al.	07-07-1998	
	B120	5,779,799		Davis	07-14-1998	
	B121	5,802,914		Fassler et al.	09-08-1998	
	B122	5,855,686		Rust	01-05-1999	
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	B136	6,035,805		Rust	03-14-2000	
	B137	6,038,280		Rossiger et al.	03-14-2000	
	B138	6,046,056		Parce et al.	04-04-2000	
	B139	6,051,345		Huang	04-18-2000	
	B140	6,074,827		Nelson et al.	06-13-2000	
	B141	6,091,485		Li et al.	07-18-2000	
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	B150	6,180,239	B1	Whitesides et al.	01-30-2001	
	B151	6,188,150	B1	Spence	02-13-2001	
	B152	6,204,922	B1	Chalmers	03-20-2001	
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	B154	6,245,581	B1	Bonser et al.	06-12-2001	
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	B159	6,387,783		Furukawa et al.	05-14-2002	
	B160	6,388,253	B1	Su	05-14-2002	
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	B162	6,411,010	B1	Suzuki et al.	06-25-2002	
	B163	6,447,919	B1	Brown et al.	09-10-2002	
	B164	6,455,411	B1	Jiang et al.	09-24-2002	
	B165	6,467,761	B1	Amatucci et al.	10-22-2002	
	B166	6,482,742	B1	Chou	11-19-2002	
	B167	6,489,068	B1	Kye	12-03-2002	
	B168	6,495,624	B1	Brown, James F.	12-17-2002	
	B169	6,514,672	B2	Young et al.	02-04-2003	
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	B171	6,541,360	B1	Plat et al.	04-01-2003	
	B172	6,561,706		Singh et al.	05-13-2003	
	B173	6,565,928	B2	Sakamoto et al.	05-20-2003	
	B174	6,632,742	B2	Yang et al.	10-14-2003	
	B175	6,635,581	B2	Wong	10-21-2003	
	B176	6,646,662	B1	Nebashi et al.	11-11-2003	
	B177	6,677,252	B2	Marsh	01-13-2004	
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	B179	6,713,238	B1	Chou et al.	03-30-2004	
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	B181	6,719,915	B2	Willson et al.	04-13-2004	
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	B186	6,770,852	B1	Steger	08-03-2004	
	B187	6,776,094	B1	Whitesides et al.	08-17-2004	
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	B194	2003/0113638	A1	Mancini et al.	06-19-2003	
	B195	2003/0129542	A1	Shih et al.	07-10-2003	
	B196	2003/0205658	A1	Voisin	11-06-2003	
	B197	2003/0215577	A1	Willson et al.	11-20-2003	
	B198	2003/0235787	A1	Watts et al.	12-25-2003	
	B199	2004/0009673	A1	Sreenivasan et al.	01-15-2004	
	B200	2004/0010341	A1	Watts et al.	01-15-2004	
	B201	2004/0029041	A1	Shih et al.	02-12-2004	
	B202	2004/0036201	A1	Chou et al.	02-26-2004	
	B203	2004/0053146	A1	Sreenivasan et al.	03-18-2004	
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Sheet

7

of

17

Application Number

10/763.885

Filing Date

01/23/2004

First Named Inventor

Xu et al.

Group Art Unit

1752

Examiner Name

Amanda C. Walke

Attorney Docket Number

P113-55-03

[illegible]

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				First Named Inventor	Xu et al.
				Group Art Unit	1752
				Examiner Name	Amanda C. Walke
				Attorney Docket Number	P113-55-03
Sheet	8	of	17		

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				Filing Date	01/23/20904
				First Named Inventor	Xu et al.
				Group Art Unit	1752
				Examiner Name	Amanda C. Walke
Sheet	9	of	17	Attorney Docket Number	P113-55-03

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/	B249	Abstract of Japanese Patent 02-24848, January 26, 1990	
/	B250	Abstract of Japanese Patent 02-92603, August 12, 2004	
/	B251	Abstract of Japanese Patent 55-88332, April 14, 2004	
/	B252	Abstract of Japanese Patent 57-7931, April 14, 2004	
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/	B255	ARAI et al., "Calibration and Basic Motion of Micro Hand Module.", IEEE, January 1, 1993, pp. 1660-1665.	
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/	B270	HEXAPODS, "G1000-PS Power Series", www.hexapods.com .	

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				Application Number	10/763,885
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	01/23/2004
				First Named Inventor	Xu et al.
(use as many sheets as necessary)				Group Art Unit	1752
				Examiner Name	Amanda C. Walke
Sheet	11	of	17	Attorney Docket Number	P113-55-03

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/	B281	KIM et al., "Surface Energy and Polarity of Treated Indium-Tin-Oxide Anodes for Polymer Light-Emitting Diodes Studied by Contact Angle Measurements." Journal of Applied Physics 1999, pp. 2774-2778, Vol. 86, No. 5.	

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/	B282	KIM et al., "High-precision Magnetic Levitation Stage for Photolithography.", Precision Engineering, April 1, 1998, Vol 22., No. 2, pp. 66 – 77.		
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/	B285	LEE et al., "An Ultraprecision Stage for Alignment of Wafers in Advanced Microlithography.", Precision Engineering, September 1, 1997, pp. 113-122.		
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/	B287	LIN, "Multi-Layer Resist Systems.", Introduction to Microlithography, February 14, 1983, pp. 287-349.		
/	B288	LUCAS AEROSPACE, Free-Flex ® Pivot Catalog, January 1, 1999		
/	B289	MANSKY et al., "Large-Area Domain Alignment in Block Copolymer Thin Films Using Electric Fields.", Macromolecules, June 9, 1998, Vol. 31, No. 13, pp. 4399-4401.		
/	B290	MCMACKIN et al., "A Method of Creating a Turbulent Flow of Fluid between a Mold and a Substrate," U.S. Patent Application 10/898,034, Filed with USPTO July 23, 2004.		
/	B291	MCMACKIN et al., "A System of Creating a Turbulent Flow of Fluid between a Mold and a Substrate," U.S. Patent Application 10/898,037, Filed with USPTO July 23, 2004.		
/	B292	MCMACKIN et al., Single Phase Fluid Imprint Lithography Method," U.S. Patent Application 10/677,639, Filed with USPTO Oct. 16, 2003.		

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/	B295	MITTAL, "Precision Motion Control of a Magnetic Suspension Actuator Using a Robust Nonlinear Compensation Scheme.", IEEE/ASME Transactions on Mechatronics., December 1, 1997, Vol. 2., No. 4, pp. 268-280.	
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/	B302	PARIKH et al., "An Intrinsic Relationship between Molecular Structure in Self-Assembled n-Alkylsiloxane Monolayers and Deposition Temperature.", Journal of Phys. Chem., July 1, 1994, pp. 7577-7590.	
/	B303	PAROS et al., "How to design Flexure Hinges.", Machine Design, November 25, 1965, pp 151-156.	

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/	B305	PERNETTE et al., "Design of Parallel Robots in Microbotics.", Robotica, January 1, 1997, Vol. 15, pp 417-420.	
/	B306	PHYSIK INSTRUMENTS, PI Online-Catalog, 1999, from www.physikinstrument.com	
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/	B308	RAIBERT et al., "Hybrid Position/Force Control of Manipulators.", Journal of Dynamic Systems, Measurement, and Control, June 1, 1981, Vol. 102, pp. 126 – 133.	
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/	B314	SOWAH, Diamond Used to Break the Mould [online], Sept, 18, 2002, [Retrieved on Sept. 2, 2003.] Retrieved from the Internet: <URL: http://eetuk.com/showArticle.jhtml?articleID=19203691>.	

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/	B325	Translation of Japanese Patent 02-92603, April 3, 1990.	

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				Application Number	10/763,885
				Filing Date	01/23/2004
				First Named Inventor	Xu et al.
				Group Art Unit	1752
				Examiner Name	Amanda C. Walke
Sheet	16	of	17	Attorney Docket Number	P113-55-03

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/	B326	TRILOGY SYSTEMS, "Linear Motors 310.", www.trilogysystems.com, January 1, 2001.	
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/	B337	WILLIAMS et al., "Six Degree of Freedom Mag-Lev Stage Development.", SPIE, January 1, 1997, Vol. 3051, pp. 856-867.	
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/	B339	WU, "Large Area High Density Quantized Magnetic Disks Fabricated Using Nanoimprint Lithography.", J. Vac. Sci. Technol., November 1, 1998, B 16(6), pp. 3825-3829.	
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